

FIG. 1

OVERALL AUTHORIZATION PROCESS

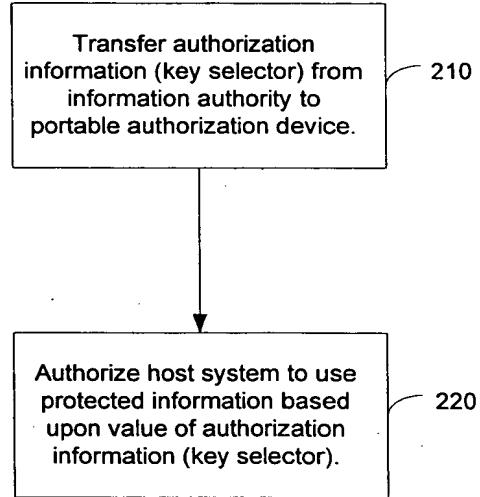


FIG. 2

PORTABLE AUTHORIZATION DEVICE

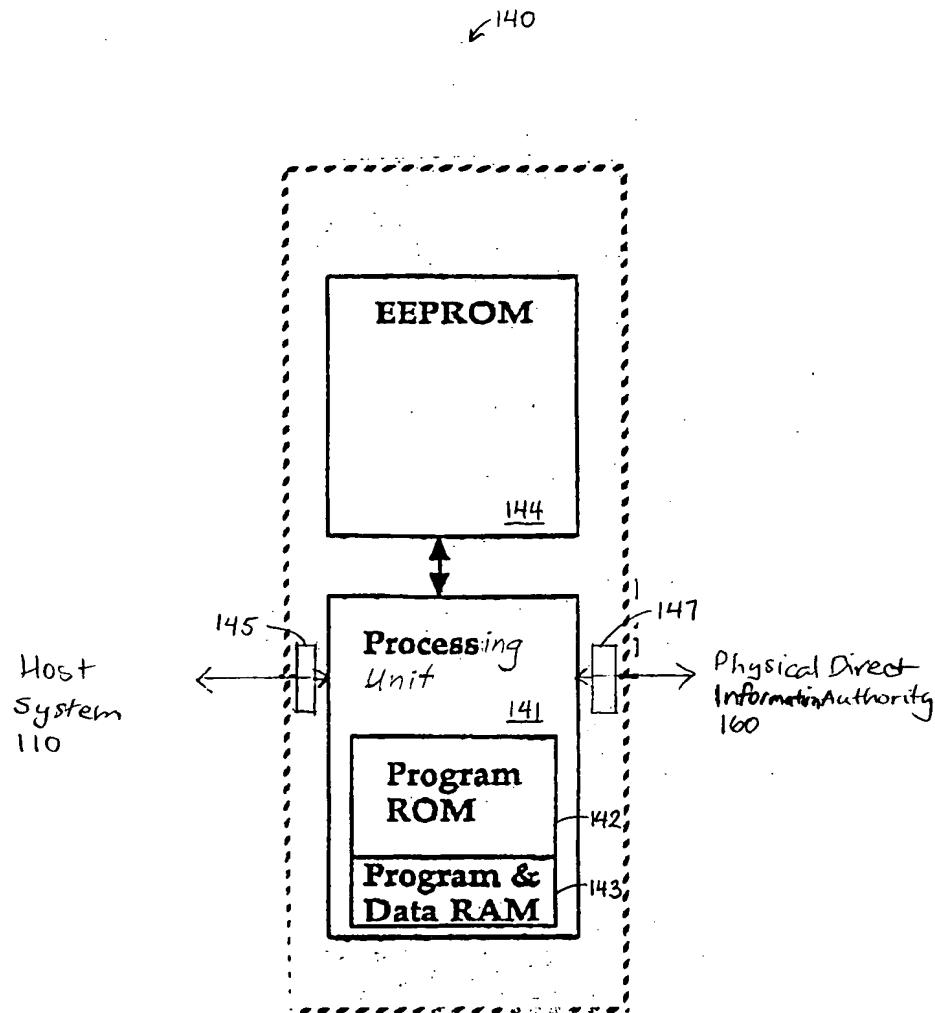


FIG. 3

FUNCTIONAL COMPONENTS
PORTABLE AUTHORIZATION DEVICE

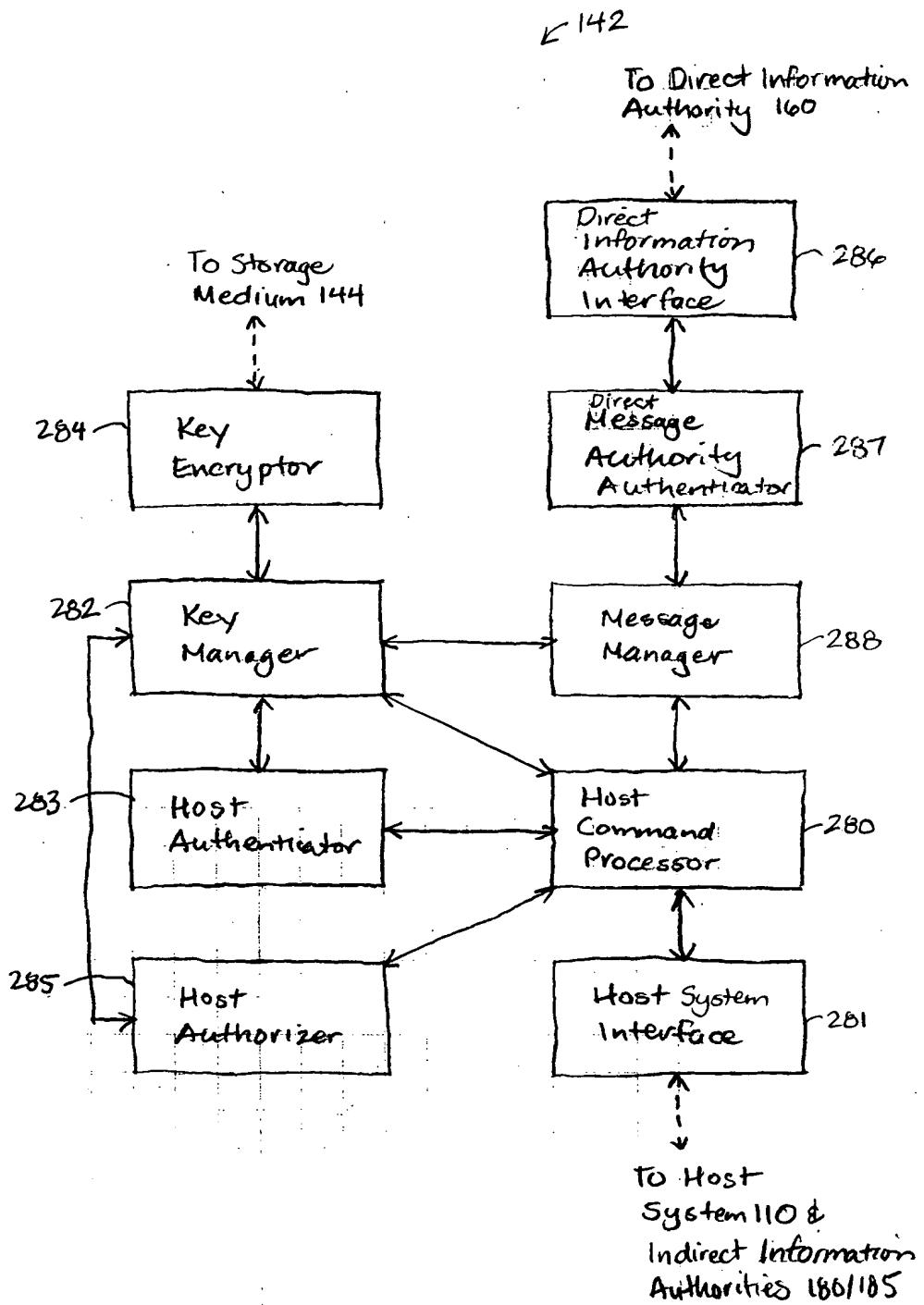


FIG. 4

PORTABLE AUTHORIZATION DEVICE
STORAGE MEDIUM

↙ 144

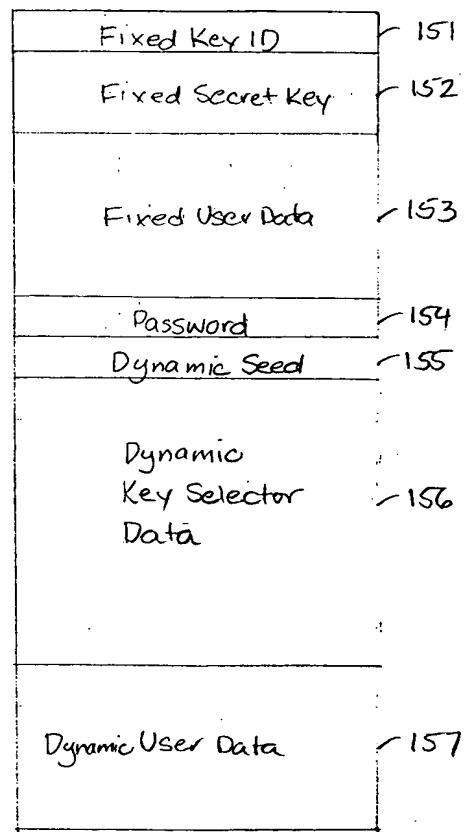


FIG. 5

FORMAT OF
DYNAMIC USER DATA

↙157

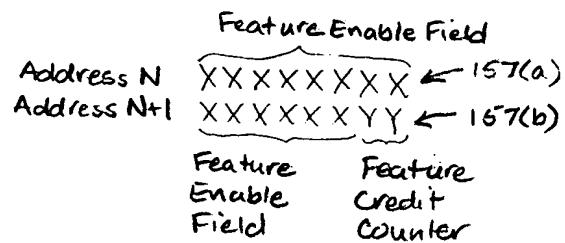


FIG. 6

PHYSICAL DIRECT
MESSAGE AUTHORITY

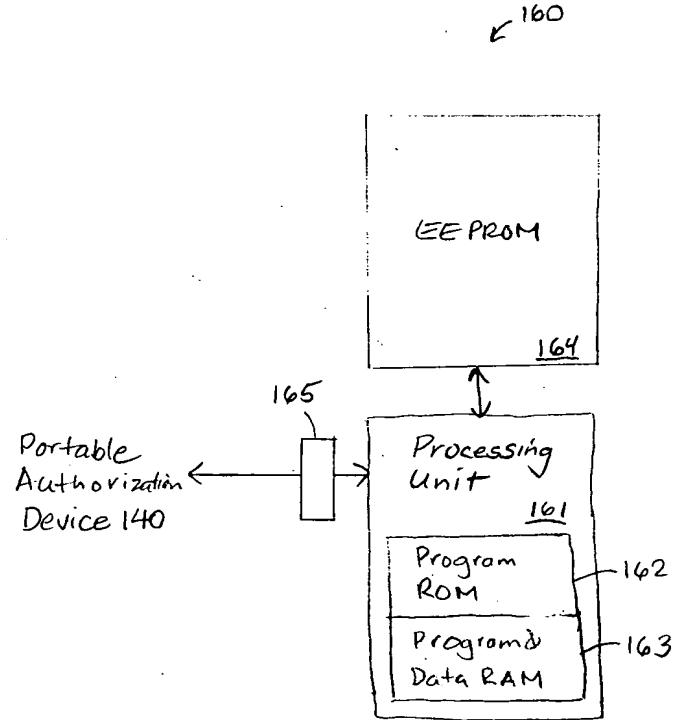


FIG. 7

PHYSICAL DIRECT
MESSAGE AUTHORITY
STORAGE MEDIUM

✓¹⁶⁴

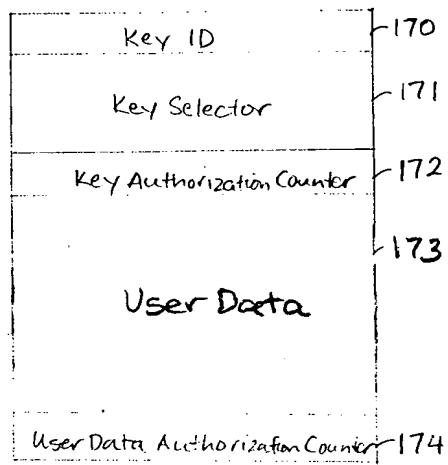


FIG. 8

KEY SELECTOR TRANSFER PROCESS

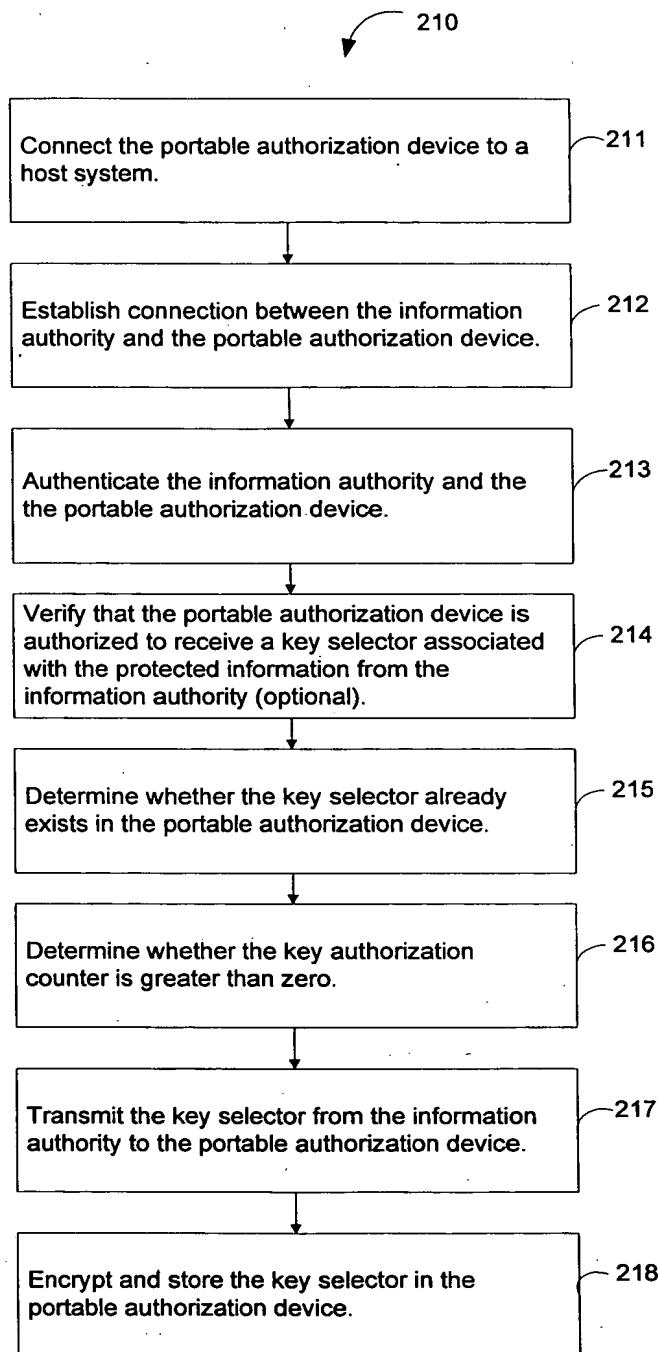


FIG. 9

HOST SYSTEM AUTHORIZATION PROCESS

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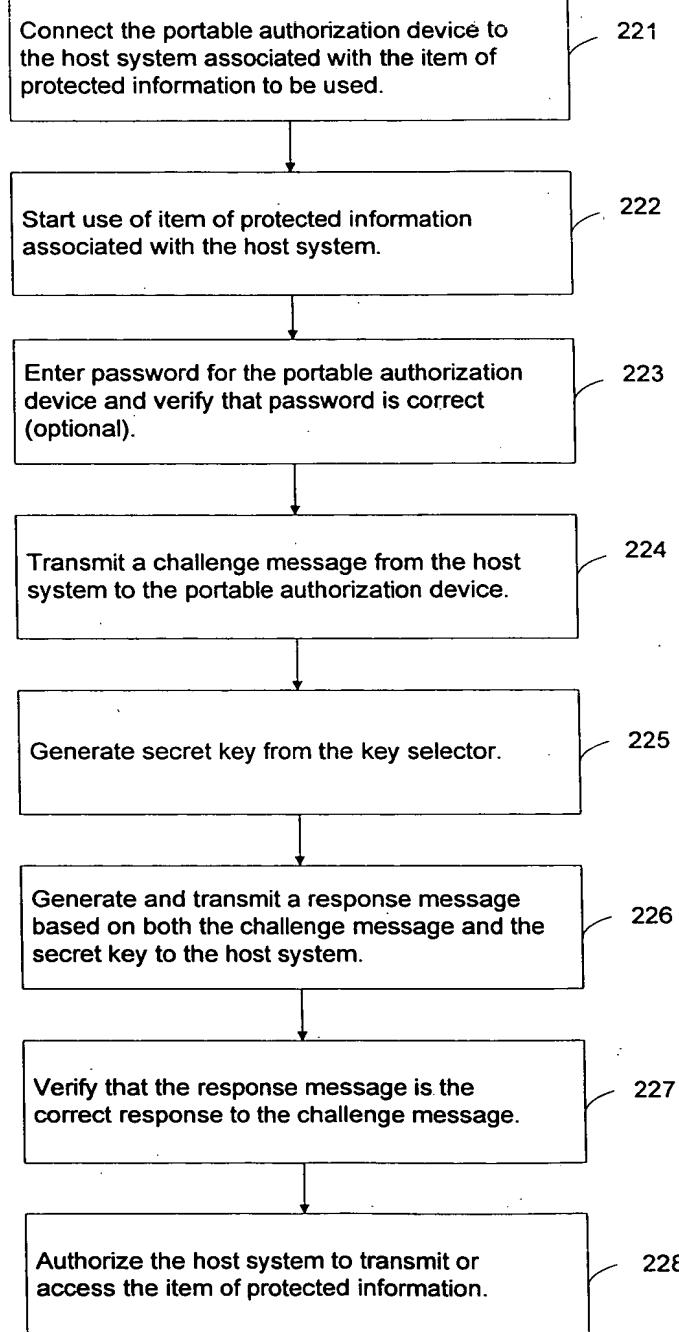


FIG. 10

KEY BLENDING ALGORITHM

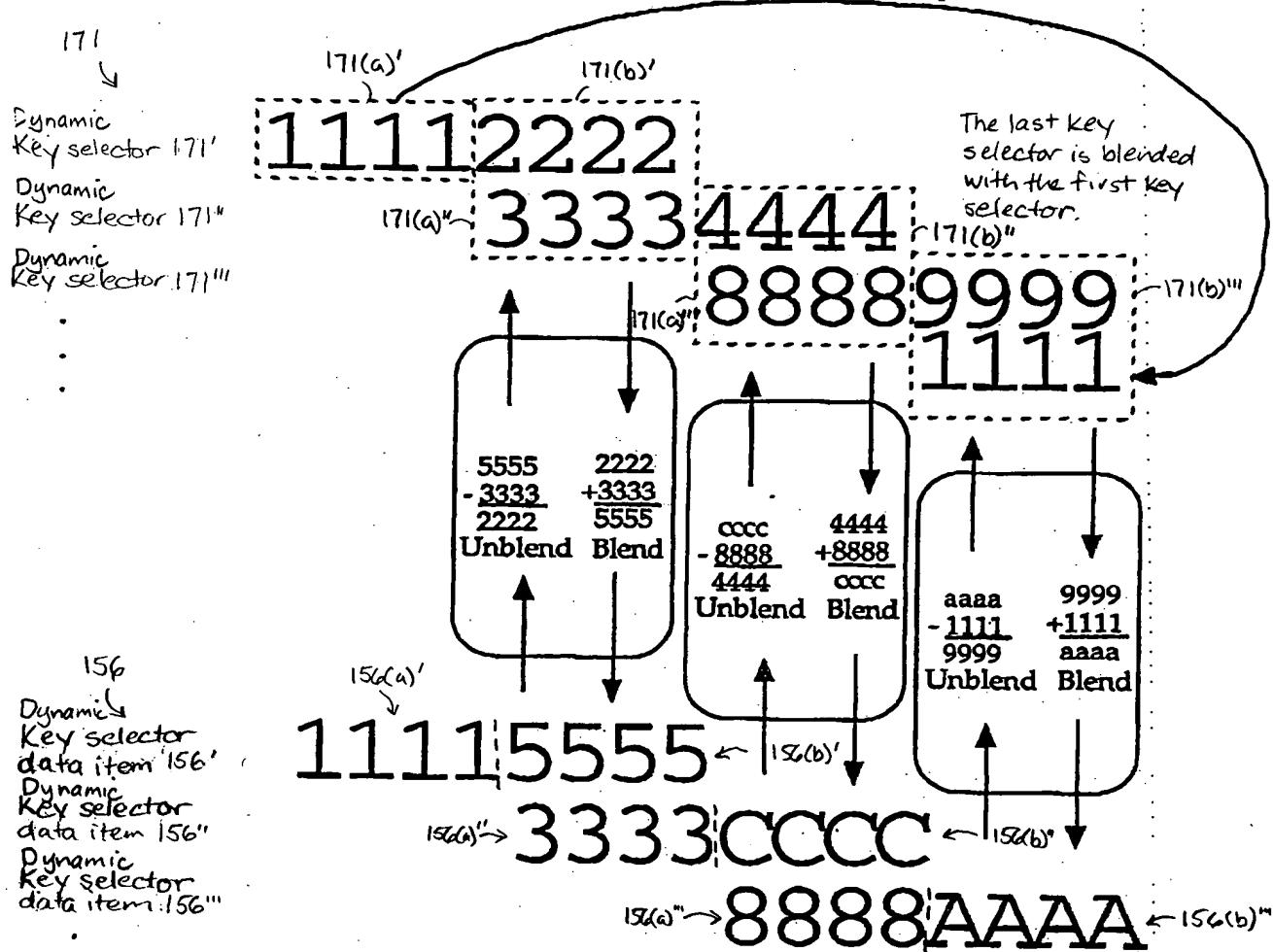


FIG. 11

KEY EXCHANGE BETWEEN TWO PORTABLE AUTHORIZATION DEVICES

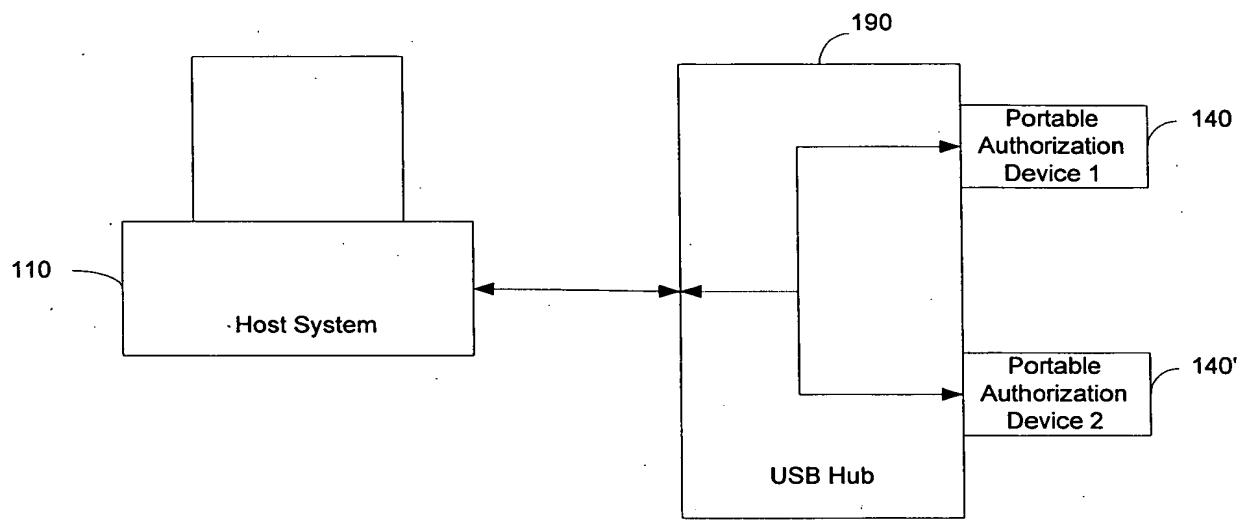


FIG. 12